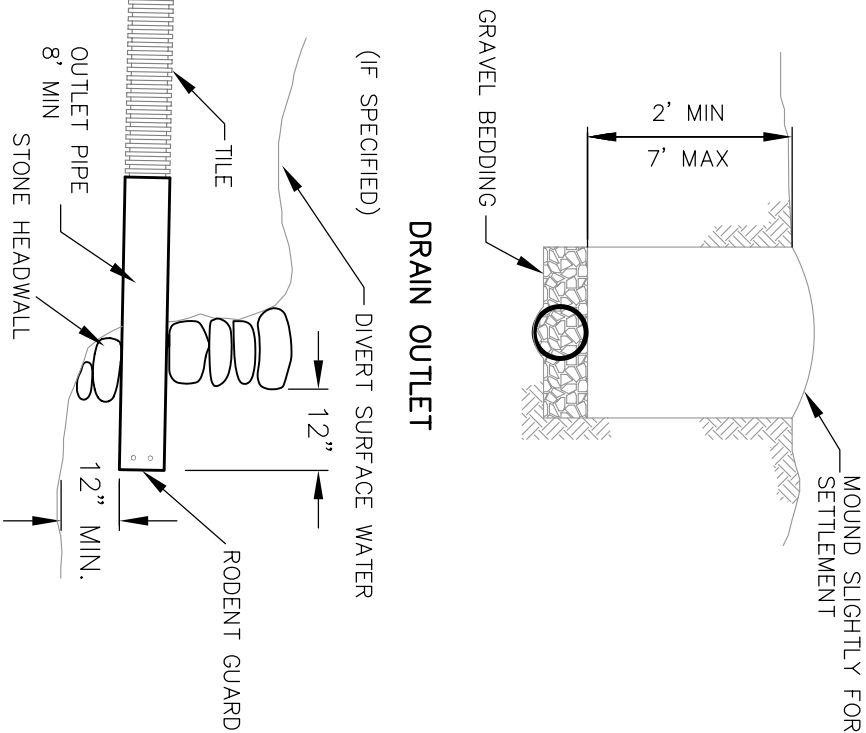


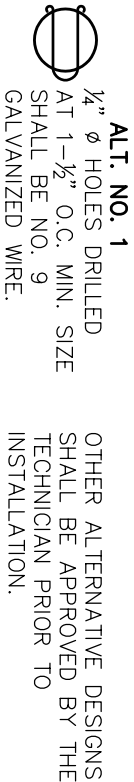
PLAN VIEW

[illegible]

TILE DRAINAGE DETAILS
TYPICAL SECTION



RODENT GUARDS

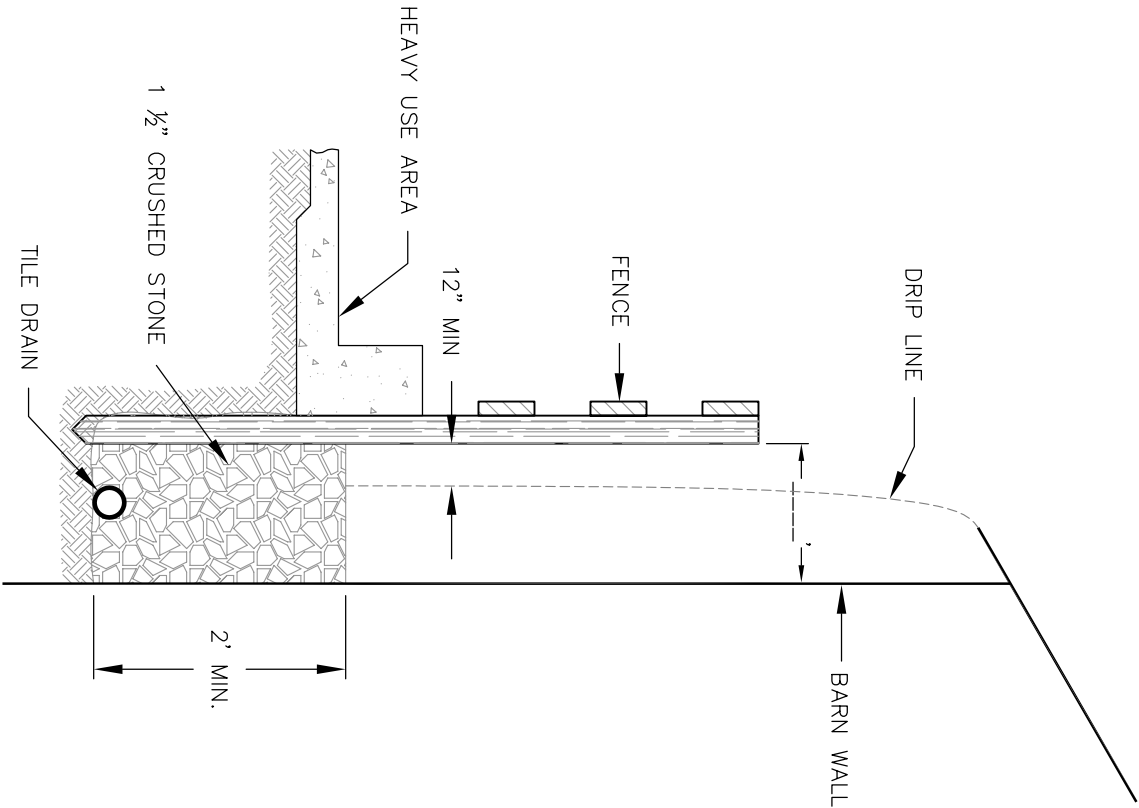


ALT. NO. 2	
5/16" ϕ HOLES DRILLED AT 1-1/2" O.C. HORIZONTAL BARS SHALL BE 1/4" GALVANIZED BOLTS.	
PIPE DIAMETER (IN.)	NUMBER OF WIRES/BOLTS
4"	2
6"	3
8"	5

CONSTRUCTION NOTES

- THE TRENCH BOTTOM SHALL BE GROOVED TO PROVIDE SUPPORT FOR THE BOTTOM 1/3 OF THE PIPE WHEN FLEXIBLE PIPE IS INSTALLED. GRAVEL BEDDING MAY BE USED TO PROVIDE LATERAL SUPPORT FOR THE PIPE WHEN THE TRENCH BOTTOM CANNOT BE GROOVED.
- ROUND PIPE PERFORMANCE SHALL BE 3/16". PLACE HOLES DOWN. SLOTS SHALL BE NO LONGER THAN 1-1/4".
- AS SOON AS PLACED AND INSPECTED THE PIPE SHALL BE HAND COVERED WITH LOOSE, FRIABLE MATERIAL FROM THE TRENCH SIDES OR FILTER GRAVEL TO A DEPTH OF 6" OVER THE PIPE.
- DO NOT PUSH LARGE STONES INTO TRENCH.
- THE OUTLET PIPE SHALL BE RIGID AND NON-PERFORATED. METAL PIPE SHALL BE USED IF THE HEADWALL IS CONCRETE OR IF DISCHARGE IS INTO A DRAINAGE CHANNEL OR STREAM.

TILED ROOF DRAIN DETAIL
SIDE VIEW



NOTES:

- WIDTH OF TRENCH IS DEPENDENT ON DRIP LINE

BILL OF MATERIALS

ITEM #	ITEM	QUANTITY	UNIT	CONSTRUCTION SPECIFICATIONS
1.	EARTHWORK		C.Y.	11
2.	1 1/2" CRUSHED STONE		C.Y.	5, 11
3.	TILE DRAIN			41
4.	GRAVEL BEDDING		C.Y.	5, 11
5.	OUTLET PIPE		L.F.	41
6.	RODENT GUARD		EA	
7.	FENCE		L.F.	50



HAZARD CLASS LOW

JOB CLASS

VERMONT

ROOF RUNOFF STRUCTURE
TRENCH DRAIN

Date

Designed

Drawn

Checked

Approved by

File Name

Drawing Name